Letters in Mathematical Physics **40** (1997)

Contents to Volume 40

Volume 40 No. 1 April (I) 1997

TOHRU KOMA and BRUNO NACHTERGAELE / The Spectral Gap of the Ferromagnetic *XXZ* Chain 1–16

PETER BOUWKNEGT, JIM McCARTHY and KRZYSZTOF PILCH / BV Structure of the Cohomology of Nilpotent Subalgebras and the Geometry of (W) Strings 17–30

PATRICK MARCEL, VALENTIN OVSIENKO and CLAUDE ROGER / Extension of the Virasoro and Neveu–Schwarz Algebras and Generalized Sturm–Liouville Operators 31–39

M. R. ADAMS, J. HARNAD and J. HURTUBISE / Darboux Coordinates on Coadjoint Orbits of Lie Algebras 41–57

P. G. GRINEVICH / Nonsingularity of the Direct Scattering Transform for the KP II Equation with a Real Exponentially Decaying-at-Infinity Potential 59–73

ALAIN LASCOUX, BERNARD LECLERC and JEAN-YVES THIBON / Flag Varieties and the Yang–Baxter Equation 75–90

CARSTEN BINNENHEI / On the Even CAR Algebra 91–93

M. KHORRAMI, A. SHARIATI and A. AGHAMOHAMMADI / $SL_h(2)$-Symmetric Torsionless Connections 95–99

Volume 40 No. 2 April (II) 1997

BERNARD GAVEAU, MICHEL MOREAU and JANOS TOTH / Master Equation and Fokker–Planck Equation: Comparison of Entropy and of Rate Constants 101–115

C. FRØNSDAL / Quasi-Hopf Deformations of Quantum Groups 117–134

SIMON G. SCOTT and KRZYSZTOF P. WOJCIECHOWSKI / Determinants, Grassmannians and Elliptic Boundary Problems for the Dirac Operator 135–145

IVAN PENKOV and VERA SERGANOVA / Characters of Finite-Dimensional Irreducible q(n)-Modules 147–158

FÜSUN AKMAN, ALEX J. FEINGOLD and MICHAEL D. WEINER / Minimal Model Fusion Rules From 2-Groups 159–169

ENRICO CELEGHINI and MARIO RASETTI / The Gaussian Polynomial, Restricted k-Rowed Plane Partitions and Hopf Algebras 171–176

YISONG YANG / The Existence of Solitons in Gauged Sigma Models with Broken Symmetry: Some Remarks 177–189

D. H. TCHRAKIAN / Topologically Stable Lumps in SO(d) Gauged O($d+1$) Sigma Models in d Dimensions: $d = 2, 3, 4$ 191–201

Volume 40 No. 3 May 1997

GEOFFREY L. SEWELL / Macroscopic Quantum Electrodynamics of a Plasma Model: Derivation of the Vlasov Kinetics 203–222

FERNANDO LLEDÓ / A Family of Examples with Quantum Constraints 223–234

GIANFAUSTO DELL'ANTONIO, RODOLFO FIGARI and ALESSANDRO TETA / Statistics in Space Dimension Two 235–256

KENTARO HAMACHI / Quantum Smoothening of 'Classical Anomaly' 257–267

LUC LAPOINTE and LUC VINET / Creation Operators for the Macdonald and Jack Polynomials 269–286

S. ALBEVERIO, YU. G. KONDRATIEV and YU. V. KOZITSKY / Critical Properties of a Quantum Hierarchical Model 287–291

PREETI PARASHAR / Nonstandard Poincaré and Heisenberg Algebras 293–298

Volume 40 No. 4 June 1997

K.-H. REHREN / Bounded Bose Fields 299–306

D. ARNAUDON and M. BAUER / Scasimir Operator, Scentre and Representations of $\mathcal{U}_q(\mathrm{osp}(1|2))$ 307–320

HITOSHI KONNO / Free Field Representation of Level-k Yangian Double $\mathcal{D}\mathrm{Y}(\mathrm{sl}_2)_k$ and Deformation of Wakimoto Modules 321–336

M. GERSTENHABER and A. GIAQUINTO / Boundary Solutions of the Classical Yang–Baxter Equation 337–353

J.-M. BARBAROUX, J. M. COMBES AND P. D. HISLOP / Landau Hamiltonians with Unbounded Random Potentials 355–369

H. J. BORCHERS / On the Lattice of Subalgebras Associated with the Principle of Half-Sided Modular Inclusion 371–390

V. MILANI and A. SHAFEI DEH ABAD / Geodesic Curves on Quantized Manifolds 391–394